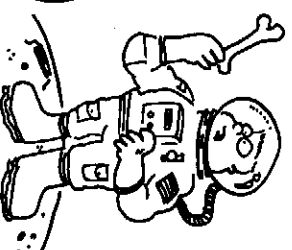


# What Did Scientists Conclude After Discovering Bones on the Moon?



Choose the correct answer for each exercise and circle the letter pair next to it. Write the upper case letter in the box containing the lower case letter.

- 1 During the big storm, 29 in. of snow fell in 8 hours. Find the rate of snowfall in inches per hour.  
**p•U** 3.8 in./h      **k•D** 3.6 in./h
- 2 A gas pump delivered 19.2 gal of gas in 3.5 min. Find the pumping rate in gallons per minute.  
**c•E** 5.49 gal/min      **f•V** 6.08 gal/min
- 3 A boat propeller spins 1044 times in 3 min. Find the rate in revolutions per second.  
**u•T** 5.8 rps      **b•G** 4.7 rps
- 4 Smallville is shaped like a rectangle 8 mi long and 5 mi wide. The town has a population of 72,450. Find the population per square mile.  
**r•M** 1755 per  $\text{mi}^2$       **p•A** 1811 per  $\text{mi}^2$
- 5 Mr. Snorkel drove 169 miles in 3 h 30 min. Find these rates:  
 a. miles per hour      **q•V** 47.6 mph      **j•I** 48.3 mph  
 b. miles per minute      **h•C** 0.7 mi/min      **f•O** 0.8 mi/min  
 c. feet per minute (1 mi = 5280 ft)      **m•T** 4249 ft/min      **t•S** 4325 ft/min  
 d. feet per second      **n•Y** 68.4 ft/s      **b•H** 70.8 ft/s  
 e. minutes per mile      **i•D** 1.24 min/mi      **q•B** 1.32 min/mi
- 6 Mom's Market charges \$2.89 for a six-pack of cola. Each can holds 12 fl oz. Find these unit prices:  
 a. price per can      **r•E** \$0.48 per can      **d•N** \$0.44 per can  
 b. price per fluid ounce      **a•T** \$0.04 per oz      **o•S** \$0.07 per oz
- 7 Frosted Oats cereal is sold in three sizes. The 48-oz box costs \$6.79. The 32-oz box costs \$5.39. The 20-oz box costs \$3.79. Find these unit prices:  
 a. price per ounce for the 48-oz box      **l•O** \$0.16 per oz      **q•K** \$0.14 per oz  
 b. price per ounce for the 32-oz box      **t•I** \$0.17 per oz      **e•D** \$0.15 per oz  
 c. price per ounce for the 20-oz box      **s•F** \$0.22 per oz      **g•W** \$0.19 per oz
- 8 Matt the Magnificent performed three 24-minute magic shows each night for one week. He was paid \$800. Find the following:  
 a. earnings per show      **n•H** \$37.50 /show      **l•N** \$38.10 /show  
 b. earnings per minute of performing      **h•L** \$1.64 /min      **o•M** \$1.59 /min
- 9 When he left on vacation, the odometer in Carl's car read 32,654 mi. When he returned, it read 33,895 mi. If he used 54.7 gal of gas, how many miles per gallon did he get?  
**e•C** 22.7 mpg      **d•R** 23.4 mpg

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u
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